

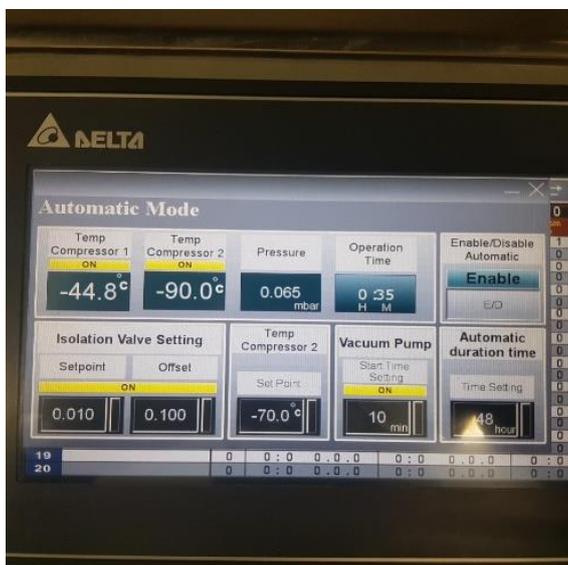
## Laboratory Freeze Dryer

The FD Series is a laboratory freeze-dryer specially developed for basic research in biotechnology and scientific institutes.

### FD-8524-URT

#### General features

- Standing pilot unit: It houses the refrigeration system and the vacuum pump.
- Constructed in a steel stove enamelled cabinet with front door for maintenance purposes
- Water cooled refrigeration system : Hermetically sealed.
- Ozone friendly refrigerant.
- A top transparent acrylic lid provides viewing of the ice forming process
- PLC controlled system: a digital screen gives direct read-out of current condenser and vacuum temperatures during the various stages of the cycle.



#### HMI

The device control database is designed and written in PLC and HMI.

supports parameters such as start and end time, vacuum value and temperature.

## Specifications

## Model FD-8524-URT

Condenser Temperature	- 85°C
Condenser Capacity in 24 Hours	24 L
Overall Condenser Capacity	46 L
Condenser Type	Internal Coil (316 Stainless Steel)
System Refrigerant	CFC-Free
Defrost Method	water
Controller (Automation)	PLC Base LCD 7 inch
Vacuum Indication	Atmosphere to 0.001 Millibar
PC Interface	RS485(Optional)
Outer Dimensions: W x D x H*	850 x 650 x 2300mm
Weight	380 kg
Standard Voltages	380V3phases

## ACCESSORIES

## DESCRIPTION

21Port Manifold Ampoule connector	Silicon tube manifold 21
Vacuum Pump	Rottary Oil Vacuum Pump
Vacuum Valve	Rubber three way valves for flasks



**Vacuum Pump**



**Vacuum Valve**



**21 Port Manifold  
Ampoule connector**